CYGNUS electronics

TUV-Certified

3-Phase 16A AC Charging Cable

Rev. 20250418

Important Information

- This charging cable is designed for charging electric and hybrid vehicles (EVs) at EV charging stations identified as code C per EN 17186. Any other use is considered improper.
- Please read this manual and the EV operation instructions carefully before using the charging cable, and adhere strictly to the charging guidelines. Improper use may lead to short circuits, electric shocks, fires, and result in personal injury and property damage.
- Inspect the charging cable before each use to ensure it is not damaged. Do not use a damaged charging cable.
- Avoid touching the live terminals of the connector directly with your fingers or with metal tools. Do not operate this charging cable with wet hands.
- Avoid crushing the charging cable under car wheels, doors, hoods, or with any heavy objects. Do not use the charging cable if it is damaged or cracked.
- Ensure the charging cable is kept away from water, oil, solvents, and other liquids during storage and use. Do not use the cable for charging if it is wet or contaminated. Avoid using a hairdryer to dry the charging cable if wet.
- Avoid rough handling. Handle the cable gently to avoid damage; avoid pulling, throwing, or dropping it. Do not start the EV before unplugging the connector to avoid damaging the charging cable.
- Avoid charging if foreign objects are detected inside the plug. Remove any foreign objects after disconnecting the power, before using the cable again.
- Keep children and pets away from the charging cable.
- Do not use adapters or extension cords.

Overview

	Component	Descriptions
1	Charger Plug	Type 2-IIb connector with TPE over-molding
2	Vehicle Connector	Type 2-IIe connector with TPE over-molding
3	Overmolded Handle	Bubble-Free TPR-Injected Robust Handle
4	Cable	TUV Certified EVC H07BZ5-F 2.5mm^2 Power Cable with TPU jacket
5	Silicone Cap	Silicone Rubber

Technical Data

Rated Voltage	Max 220V AC 1-phase @50/60Hz
Rated Current	32A
Rated Power	7kW
Current Coding Resistor (R_c)	680Ω on both ends
Charging Mode	Mode 3
Connection Method	Case B
Standard	IEC62196-2 Type 2
Protection Degree	IP54
Storage Condition	-40~85°C
Working Temperature	-35~50°C
Service Life	10000 cycles min
Cable Length	5m

Start Charging Process

1. Remove the protective silicone caps.
2. Plug the charging cable into the power outlet.
3. Plug the vehicle connector to the EV's charging port.
4. Start charging the EV.

Do not use a damaged or cracked charging cable, as it may pose risks including electric shock, short-circuiting, and could lead to personal injury or property damage.

End Charging Process

1. End the charging process using the vehicle's interface.
2. Unplug the vehicle connector from the charging port.
3. Unplug the cable from the power outlet.
4. Place the protective silicone caps on both ends.
5. Properly store the charging cable.

CLEANING

1. Unplug the cable from the power outlet and EV charging port.
2. Wipe the charging cable with a dry or slightly damp cloth.
3. Store the charging cable properly.

- Always unplug from the power source before cleaning. Avoid cleaning while it's connected to electricity.
- Do not use a wet cloth for cleaning.
- Never wash it with water or apply cleaning agents.

DISPOSAL

- Please do not dispose of the charging cable with your regular household trash.
- Kindly bring it to a designated recycling center for electronics.
- Should you have any queries or need guidance, please consult with the dealer or a professional waste management service.